

Claims

1. A magnetically activated optoelectronic switch comprising: means for receiving and storing (electromagnetic radiation signals of ultraviolet or visible wavelength) <sup>or</sup> magnetic field signals, and combinations thereof; and means for selectively accessing said storage to deliver said selected signals for signal processing.

2. The switch according to claim 1 in which said electromagnetic radiation signal is combined with a magnetic field signal to produce an optical signal.

3. The switch according to claim 1 in which said electromagnetic radiation signal is combined with a magnetic field signal to produce an electrical signal.

4. The switch according to claim 1 in which said electromagnetic radiation signal is combined with a magnetic field signal to produce a combined optical and electrical signal.

5. The switch according to claim 1 in which said electromagnetic radiation signal is combined with a magnetic field signal to produce a signal in the form of a biological membrane potential.